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TITLE: SOLID-STATE IMAGE PICKUP DEVICE
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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To prevent the luminance level of an image pickup signal from being lowered even when shutter speed is accelerated by controlling an iris based on a motion detecting signal and a luminance detecting signal.

CONSTITUTION: A system controller 10 controls the diaphragm of an iris mechanism 1 based on image pickup data from an A/D converter 4 for digitizing and outputting image pickup signals from a CCD image sensor 2, motion vector from a motion vector detecting circuit 8 for detecting the motion of an object from luminance data from an A/D converter 7, and luminance detection data from a luminance level detecting circuit 9 for detecting the level of luminance data from the A/D converter 7. At the same time, the charge storage time of the CCD image sensor 2 is controlled and the gain of an AGC 3 is variably controlled. Thus, since the quantity of image pickup light is adjusted, the luminance level of the image pickup signal can be prevented from being lowered with

the acceleration of shutter speed, and the picked-up image with suitable brightness can be provided.

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